

31 DAYS

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**PAPER** 

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/525,758	02/28/2005	Kazutomo Hoshino	8038-1061 1137	
466 75 YOUNG & THO	90 04/02/200 MPSON	EXAMINER		
745 SOUTH 23R	D STREET	AUSTIN, AARON		
2ND FLOOR ARLINGTON, V	'A 22202		ART UNIT	PAPER NUMBER
,			1775	-
SHORTENED STATUTORY	PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	

Please find below and/or attached an Office communication concerning this application or proceeding.

04/02/2007

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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	-	Applicatio	n No.	Applicant(s)			
Office Action Summary		10/525,75	3	HOSHINO ET AL.			
		Examiner		Art Unit			
		Aaron S. A		1775	-		
Period fo	The MAILING DATE of this communication ap or Reply	pears on the	cover sheet with the	correspondence add	ress		
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPL CHEVER IS LONGER, FROM THE MAILING D nsions of time may be available under the provisions of 37 CFR 1.4 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period are to reply within the set or extended period for reply will, by statutoreply received by the Office later than three months after the mailined patent term adjustment. See 37 CFR 1.704(b).	DATE OF THE 136(a). In no ever will apply and will e, cause the appli	IS COMMUNICATIO nt, however, may a reply be ti expire SIX (6) MONTHS from cation to become ABANDONE	N. mely filed n the mailing date of this con ED (35 U.S.C. § 133).	· · · · · ·		
Status							
1)⊠	Responsive to communication(s) filed on 28 F	ebruary 200	<u>5</u> . ·				
2a) <u></u> □	☐ This action is <b>FINAL</b> . 2b) ☑ This action is non-final.						
3)	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under	Ex parte Qua	<i>₃yle</i> , 1935 C.D. 11, 4	.53 O.G. 213.			
Disposit	ion of Claims						
5) 6) 7)	Claim(s) <u>1-27</u> is/are pending in the application 4a) Of the above claim(s) is/are withdra Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) <u>1-27</u> are subject to restriction and/or	awn from con					
Applicat	ion Papers			•			
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the E	cepted or b)[ drawing(s) be ction is require	e held in abeyance. Seed if the drawing(s) is ob	ee 37 CFR 1.85(a). bjected to. See 37 CFF	, ,		
Priority (	under 35 U.S.C. § 119		•				
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>							
Attachmen	ut(s)						
1) Notice 2) Notice 3) Inform	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date		4) Interview Summan Paper No(s)/Mail D 5) Notice of Informal 6) Other:	Date			

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## **DETAILED ACTION**

## Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-5, drawn to a jig comprising a substrate overlayed with a zirconia layer including metal oxides, classified in class 428, subclass 701.
- II. Claims 6-9, drawn to a jig comprising a substrate, an aluminum oxide intermediate layer, and a zirconia surface layer including a metal oxide coated on the intermediate layer, classified in class 428, subclass 701.
- III. Claim 10-18, drawn to a jig comprising a substrate and a zirconia layer of coarse and fine zirconia particles bound by a bonding agent, classified in class 428, subclass 701.
- IV. Claims 19-20 and 26-27, drawn to a jig comprising a substrate having top and bottom surfaces, a zirconia layer formed on the top surface, and a metal oxide layer formed on the bottom surface further having an intermediate layer between the substrate and the zirconia layer or the substrate and the metal oxide layer, classified in class 428, subclass 701.
- V. Claims 21-22 and 26-27, drawn to a jig comprising a substrate having top and bottom surfaces, a zirconia layer formed on the top surface, and a metal oxide layer formed on the bottom surface having a metal oxide sintering aid in at least on of the layers, classified in class 428, subclass 701.

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- VI. Claims 23-24 and 26-27, drawn to a jig comprising a substrate having top, bottom, and side surfaces, a zirconia layer formed on the top surface, a metal oxide layer formed on the bottom surface, and a metal oxide coated layer formed on a side surface classified in class 428, subclass 701.
- VII. Claims 25-27, drawn to a jig comprising a substrate having top and bottom surfaces, a zirconia layer formed on the top surface, and a metal oxide layer formed on the bottom surface wherein the metal oxide layer does not contain zirconia, classified in class 428, subclass 701.

The inventions are distinct, each from the other because of the following reasons:

Inventions I-VII are directed to related jigs for calcining electrical components. The related inventions are distinct if the (1) the inventions as claimed are either not capable of use together or can have a materially different design, mode of operation, function, or effect; (2) the inventions do not overlap in scope, i.e., are mutually exclusive; and (3) the inventions as claimed are not obvious variants. See MPEP § 806.05(j). In the instant case, the inventions as claimed have materially different designs as outlined above, are mutually exclusive, and are not obvious variants of each other. Furthermore, the inventions as claimed do not encompass overlapping subject matter and there is nothing of record to show them to be obvious variants.

Because these inventions are independent or distinct for the reasons given above and there would be a serious burden on the examiner if restriction is not required because the inventions require a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.

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A telephone call was made to Benoit Castel on 3/28/07 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aaron S. Austin whose telephone number is (571) 272-8935. The examiner can normally be reached on Monday-Friday: 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jennifer McNeil can be reached on (571) 272-1540. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ASA

JOHN J. ZIMMERMAN PRIMARY EXAMINER